

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF ILLINOIS

UNITED STATES OF AMERICA,

Plaintiff,

v.

NL INDUSTRIES, INC., et, al.,

Defendants,

and

CITY OF GRANITE CITY, ILLINOIS,
LAFAYETTE E. HOCHULI, and
DANIEL M. McDOWELL

Intervenor-Defendants)

C.A. No. 91-CV578-JLF

CERTIFICATION OF
ADMINISTRATIVE RECORD

I, Brad Bradley, certify under penalty of perjury as follows:

1. I am a Project Manager with the United States Environmental Protection Agency ("U.S. EPA").
2. In the performance of my duties as Project Manager I have reviewed and/or compiled the documents in the attached Administrative Record for the NL Industries/Taracorp Superfund Site ("the Site") in Granite City, Illinois ("Administrative Record").
3. To the best of my knowledge, the documents contained within the Administrative Record constitute the entirety of documents developed or received by U.S. EPA for the Site in accordance with the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §§ 9601 et seq., and the National Contingency Plan, 40 C.F.R. Part 300, that were relied upon or considered by U.S. EPA in the selection of response actions, including the

EPA Region 5 Records Ctr.



258705

selection of the remedial action for the Site,
which is embodied in the Record of Decision signed
by the Regional Administrator for Region V of U.S.
EPA on March 30, 1990.

Brad W Bradley
Brad Bradley
Project Manger

Date: 3/23/92

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 1 OF 16

TAB #

DOCUMENT

1. Administrative Record Index on file at the
Granite City Public Library
(13 pages)
2. Compendium of CERCLA Response Selection
Guidance Documents
(12 pages)
3. June 17, 1985 letter regarding enclosed
Project Schedule and Chart
(4 pages)
4. May 5, 1985 letter concerning termination
of public comment period
(1 page)
5. March 11, 1985 Agreement and Administrative
Order by Consent ("AOC")
(25 pages)
6. Remedial Investigation Statement of Work
(attachment to 3/11/85 AOC)
(23 pages)
7. May 28, 1985 letter concerning Agreement and
Administrative Order by Consent-Former NL
Industries' Granite City Facility Access
Agreement
(1 page)
8. May 21, 1985 (date = Received Environmental
Control) letter regarding access to Taracorp
property, Granite City, Illinois
(1 page)
9. July 20 & 24, 1987 Two Access Agreements
(8 pages)
10. NL Access list for remedial investigation
soil samples
(3 pages)

TAB #**DOCUMENT**

11. November 11, 1986 letter with enclosed "Property Owner's Consent to Soil Sampling Program"
(2 pages)
12. October 21, 1986 letter concerning access to three properties
(2 pages)
13. October 9, 1986 letter regarding "Releases" and the affidavit of Michael G. Burnworth
(2 pages)
14. Blank release form
(1 page)
15. Remedial Investigation Soil Sample Number List
(3 pages)
16. Remedial Investigation Soil Sampling in Madison and Venice, Illinois
(2 pages)
17. Preliminary sampling locations for RI/FS Work Plan
(4 pages)
18. October 8, 1986 letter concerning attached three signed access agreements
(4 pages)
19. October 3, 1986 letter concerning attached "Property Owner's Consent to Soil Sampling Program" form of Bishop John H. Green
(2 pages)
20. October 2, 1986 letter concerning attached "Property Owners Consent Form" with Dorothy Wise denying permission to enter her property
(2 pages)
21. Seventeen (17) property owners giving permission to take soil samples in the "Property Owner's Consent to Soil Sampling Program" form
(19 pages)
22. September 2, 1986 letter regarding enclosed copies of consent forms
(1 page)

TAB #DOCUMENT

23. December 26, 1985 letter requesting permission to obtain soil samples from Melvin Scheiter. Permission not given
(1 page)
24. June 2, 1986 letter regarding attached release form of Robert A. Fortin
(3 pages)
25. May 2, 1986 affidavit stating that Mr. Ebling denied access to his property
(1 page)
26. Seventeen (17) property owners giving permission to take soil samples
(17 pages)
27. January 31, 1986 letter request permission of Terminal Railroad to have soil samples taken
(1 page)
28. January 31, 1986 letter requesting permission of the Administration of Veterans Affairs to have soil samples taken
(1 page)
29. September 15, 1986 letter concerning the enclosed Property Owner's Consent Form signed by Tyrone Echols
(1 page)
30. August 11, 1986 letter regarding the enclosed list of names and addresses of the soil sampling in Madison and Venice, Illinois
(2 pages)
31. July 25, 1986 letter asking access permission of Mr. Richardson
(2 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 2 OF 16

TAB #

DOCUMENT

- 32. May 1986 Remedial Investigation/Feasibility
Study Final Work Plan, NL Industries Superfund
Site in Granite City
(221 pages)
- 33. May 26, 1987 letter from IEPA regarding
additional RI monitoring wells
(4 pages)
- 34. June 16, 1987 letter from U.S. EPA
regarding additional monitoring wells
(3 pages)
- 35. June 10, 1987 letter from NL regarding addendum
to RI/FS Work Plan
(8 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 3 OF 16

TAB #

DOCUMENT

- 36. Letter, dated January 10, 1989, to Stephen Holt from Brad Bradley, approving with modifications the Remedial Investigation
(2 pages plus attachment of 4 pages)
- 37. September 1988 Remedial Investigation (RI), NL Industries Superfund Site in Granite City, Illinois
(405 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 4 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
38.	Comments submitted by NL Industries at Public hearing for the NL Industries Superfund Site in Granite City, February 8, 1990 (10 pages)
39.	(Certified) Letter, dated April 18, 1989, to Brad Bradley (U.S. EPA) and Ken M. Miller (IEPA) enclosing the Alternative Development Report for the NL Industries Site (86 pages)
40.	Letter, dated July 15, 1985, to William K. Weddendorf (NL Industries), from John G. Hooker (IEPA) regarding NL/Taracorp Work Plan and Site Safety Plan (2 pages)
41.	Letter, dated July 24, 1985, to William K. Weddendorf (NL Industries), from John G. Hooker (IEPA) regarding comments concerning proposed Quality Assurance Project Plan (2 pages)
42.	Letter, Dated July 30, 1985, to William K. Weddendorf, (NL Industries), from Neil Meldgin (U.S. EPA) re: comments on Work Plan of O'Brien & Gere (1 page)
43.	Letter, Dated August 24, 1985, to Mr. Weddendorf, from Neil Meldgin, regarding remaining U.S. EPA comments (6 pages)
44.	Letter, dated August 23, 1985, to F.D. Hale (Research Mgr., O'Brien & Gere. Engineers, Inc.) from William K. Weddendorf, regarding Agreement and Administrative Order by Consent RI/FS, Safety Plan, and QA/QC Plan (13 pages)

TAB #

DOCUMENT

45. Letter, dated October 21, 1985, to: Neil Meldgin (U.S. EPA), Jim Frank and J.G. Hooker (IEPA) and Deputy Chief, Environmental Control Division (Ill. Atty. Gen.'s Off.), from William K. Weddendorf (NL Industries), regarding Agreement and Administrative Order by Consent, RI/FS Work Plan, Safety and QA/QC Plans
(21 pages)
46. Letter, dated October 24, 1985, to F.D. Hale (O'Brien & Gere Engineers), from William K. Weddendorf, regarding RI/FS Work Plan (Appendix D - Sampling Plan)
(5 pages)
47. Letter, dated November 25, 1985, to William K. Weddendorf (NL Industries), from John G. Hooker (IEPA), regarding information submitted concerning Work Plan, Site Safety Plan, and QA/QC
(2 pages)
48. Letter, dated December 11, 1985, to William K. Weddendorf (NL Industries), from John Hooker (IEPA), regarding comments on RI/FS Workplan, QAPP and Site Safety Plan submitted by Brad Bradley (U.S. EPA) to O'Brien and Gere
(2 pages)
49. Letter, dated December 17, 1985, to William K. Weddendorf (NL Industries), from Brad Bradley (RPM U.S. EPA), regarding comments of David Payne, U.S. EPA - Region V Quality Assurance Office, pertaining to draft RI/FS, Workplan, QAPP and Site Safety Plan
(4 pages)
50. Letter, dated December 20, 1985, to Brad Bradley (U.S. EPA), from John Hooker (IEPA), regarding expansion in number of constituents sampled in conjunction with RI/FS, and NL's providing appropriate QA/QC information for constituents not previously addressed
(3 pages)

TAB #DOCUMENT

51. Letter, dated January 14, 1986, to Brad Bradley (U.S. EPA), Jim Frank and J.G. Hooker (IEPA) and Deputy Chief, Environmental Control Division (Ill. Atty. Gen. Office), from William K. Weddendorf (NL Industries) regarding, Agreement and Admin. Order by Consent - RI/FS Work Plan, Safety and QA/QC Plans
(3 pages)
52. Letter, dated February 4, 1985, to Brad Bradley (U.S. EPA), Jim Frank/J.G. Hooker (IEPA), and Deputy Chief, Env't. Control Division (Ill. Atty. General's Off.), regarding the Agreement and Admin. Order on Consent - RI/FS Work Plan, Safety and GA/GC Plans
(23 pages)
53. Summary of meeting, purpose of which was to resolve disputes regarding U.S. EPA's second set of comments on Draft RI/FS Workplan/QAPP/Safety Plan/Sampling Plan prepared by NL, dated May 6, 1986, from Brad Bradley (U.S. EPA), to National Lead/Taracorp file, thru Russel E. Diefenbach (Chief Ill./Ind. Unit)
(3 pages)
54. Letter, dated March 4, 1986, to Brad Bradley (U.S. EPA), from Ken Miller (IEPA), regarding IEPA QAPP comments on Revised Workplan (Oct. 22, 1985) and subsequent NL Industry comments (Feb. 4, 1986)
(2 pages)
55. Letter, dated March 24, 1986, to Frank D. Hale (O'Brien & Gere), from William Weddendorf (NL), regarding O'Brien & Gere's submittal of RI/FS Work, Safety and QAPP plans
(3 pages)
56. Memorandum, dated May 12, 1986, to National Lead/Taracorp file, thru Russel Diefenbach, Chief IL/IN Unit, from Brad Bradley (U.S. EPA), regarding a phone call, purpose of which was to resolve U.S. EPA's concerns regarding QAPP portion of Draft RI/FS Workshop/QAPP/Sampling Plan Safety Plan
(19 pages)

TAB #

DOCUMENT

57. Letter, dated April 15, 1986, to William Weddendorf (NL), from Brad Bradley (U.S. EPA), regarding (EPA's) grant of approval to commence work of RI/FS tasks 1 & 2
(1 page)
58. Letter, dated June 26, 1986, to Steve Holt (NL), from Ken Miller (Project Mgr. IEPA), regarding approval of May 1986 Workplan, including a Safety Plan, Quality Assurance Project Plan and Sampling Plan
(6 pages)
59. Letter, dated July 30, 1986, to Stephen W. Holt (NL), from regarding EPA's approval of May 1986 submittal of the RI/FS Work Plan/Safety Plan/Quality Assurance Project Plan/Sampling Plan, with attachments
(11 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 5 OF 16

TAB #

DOCUMENT

60. Letter, dated August 29, 1986, to David R. Hill (OBG Laboratories, Inc.), from James H. Adams (U.S. EPA), regarding Performance Evaluation samples for the NL Site
(1 page)
61. Letter, dated November 4, 1986, to Brad Bradley (U.S. EPA) and Ken Miller (IEPA), from Stephen Holt (NL Industries), regarding Project Schedule Update
(3 pages)
62. Letter, dated December 15, 1986, to Stephen Holt (NL Industries), from Brad Bradley (U.S. EPA) regarding confirmation of U.S. EPA's agreement with the January 5, 1987 recommencement of order-mandated time frames
(1 page)
63. Letter, dated April 9, 1987, to Stephen Holt (NL Industries), from Brad Bradley (U.S. EPA) regarding review of groundwater data
(2 pages)
64. Letter, dated April 24, 1987, to Stephen Holt (NL Industries), from Ken Miller (IEPA), regarding data reporting and groundwater analysis for quarter two
(2 pages)
65. Letter, dated October 30, 1987, to Stephen Holt (NL Industries), from Brad Bradley (U.S. EPA), regarding U.S. EPA's approval of revised RI/FS Workplan, and U.S. EPA's extension of the schedule for one week
(1 page)
66. Memorandum, dated December 30, 1986, to Norman Niedergang (U.S. EPA) and Brad Bradley (U.S. EPA), from James H. Adams, Jr. (U.S. EPA) regarding Performance Audit - O'Brien & Gere
(4 pages)

TAB #DOCUMENT

67. Letter, dated March 11, 1988, to Stephen Holt (NL Industries), from Brad Bradley (U.S. EPA), regarding disapproval of draft RI report for NL Site
(44 pages)
68. Letter, dated May 20, 1988, to Stephen Holt (NL Industries), from Brad Bradley (U.S. EPA), regarding time frames for performance of additional soil analyses and submission of final RI report, with attachments
(6 pages)
69. Letter, dated May 27, 1988, to Stephen Holt, (NL Industries), from Frank Hale (O'Brien & Gere), regarding Granite City RI/FS
(2 pages)
70. Letter, dated June 6, 1988, from S. Holt (NL) to Brad Bradley (U.S. EPA), K. Miller (IEPA), regarding notification of circumstances beyond the control of NL that may delay project activities
(2 pages)
71. Letter, dated August 18, 1988, to Brad Bradley (U.S. EPA) and K. Miller (IEPA), from F. Hale (O'Brien & Gere), regarding RI
(5 pages)
72. Letter, dated August 18, 1988, to B. Bradley (U.S. EPA) and K. Miller (IEPA), from F. Hale (O'Brien & Gere), regarding RI
(3 pages)
73. Letter, dated August 24, 1988, to S. Holt (NL), from B. Bradley (U.S. EPA) regarding approval of schedule for submission of the final RI
(1 page)
74. Letter, dated September 7, 1988, to F. Hale (O'Brien & Gere), from B. Bradley (U.S. EPA), regarding assumptions and methodology used in preparation of NL revised risk assessment
(3 pages)
75. Letter, dated November 4, 1988, to S. Holt (NL), from B. Bradley (U.S. EPA), regarding changes in RI Report
(5 pages)

TAB #

DOCUMENT

76. Letter, dated November 30, 1988, to B. Bradley (U.S. EPA) and K. Miller (IEPA), from S. Holt (NL), regarding Final RI report
(2 pages)
77. Letter, dated Dec. 14, 1988, to B. Bradley (U.S. EPA), from Bonni Fine Kaufman (Donovan, Leisure, Newton & Irvine Law Firm), regarding NL's submission of comments
(1 page)
78. Fax cover sheet, copies of letter, dated December 16, 1988, to B. Bradley (U.S. EPA), from B.F. Kaufman (Donovan, et al. law firm), regarding response to EPA's letter requesting necessary changes to the RI Report
(22 pages)
79. Letter, dated Dec. 16, 1988, to B. Bradley (U.S. EPA), from K. Miller (IEPA), regarding activities related to review and finalization of NL's Sept., 1988 RI report
(2 pages)
80. Letter, dated Feb. 1, 1989, to S. Holt (NL) from B. Bradley (U.S. EPA), regarding final action taken by U.S. EPA on RI
(8 pages)
81. Letter, dated June 23, 1989, to S. Holt (NL), from B. Bradley (U.S. EPA), regarding review of Alternatives Development Report for NL Site
(5 pages)
82. Letter, dated Oct. 26, 1989, to S. Holt (NL), from F. Hale (O'Brien & Gere), regarding NL Taracorp feasibility study
(3 pages)
83. Letters, dated March 13, 1987 - March 12, 1990 to B. Bradley (U.S. EPA), and K. Miller (IEPA), regarding bi-monthly progress reports
(67 pages)
84. Letter, dated May 28, 1985 to Neil Meldgin (U.S. EPA), Jim Frank (IEPA), and Deputy Chief (Ill. Atty. Gen.'s Office), regarding designation of William Weddendorf as Project Coordinator
(2 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 6 OF 16

TAB #

DOCUMENT

85. Letter, dated April 13, 1989, to Cindy Wakat (U.S. EPA), from Linda Conway-Mundew (University of Cincinnati Medical Center) regarding work plan for the Cincinnati Soil Lead Demonstration Project
(174 pages)
86. Study of Lead Pollution in Granite City (IEPA) April 1983
(53 pages)
87. A Land Pollution Assessment of Granite City/Taracorp Industries September, 1984 (Draft) (IEPA)
(64 pages)
88. Letter, dated July 16, 1986, to F. Hale (O'Brien & Gere), from Robert Crawford (Galena Industries, Ltd.), regarding technical evaluation of the recycling equipment operated by St. Louis Lead Recyclers, Inc.
(6 pages)
89. Letter, dated February 10, 1987, to S. Holt (NL), from K. Miller (IEPA), regarding boring logs for monitoring wells installed by IEPA
(26 pages)
90. Letter, dated February 24, 1987, to Sue Doubet (IEPA), from John Coniglio (Envirodyne Engineers) regarding analytical data and associated quality control information for water samples from the Taracorp/NL Site
(12 pages)
91. EPA form - Potential Hazardous Waste Site Preliminary Assessment - Part 1 - Site Information and Assessment dated 6/12/86; signed by Richard M. Lange
(18 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 7 OF 16

TAB #

DOCUMENT

92. Letter, dated April 26, 1988, to S. Holt (NL),
from K. Miller (IEPA), regarding - attachment
analytical results of soil sampling by the Ill.
Dept. of Public Health
(212 pages)
93. Letter, dated April 25, 1988, to B. Bradley,
(U.S. EPA), from K. Miller (IEPA), regarding
Illinois State Water Survey
(12 pages)
94. Agency For Toxic Substances Disease Registry
(ATSDR) (Preliminary) Health Assessment for NL
Industries/Taracorp Lead Site (dated January 18,
1989)
(5 pages)
95. Memorandum: Interim Guidance on Establishing
Soil Lead Cleanup Levels at Superfund Sites,
dated September 7, 1989
(3 pages)
96. Article, "International Lead Zinc Research
Organization Environmental Report, dated
October 23, 1989
(3 pages)
97. Letter, dated May 13, 1985, to Stanton Sobel
(Executive V.P. - Taracorp), from W. Weddendorf
(NL), regarding NL's March 8, 1985 Admin. Order
and Response Order by Consent for the St. Louis
Park Site
(3 pages)
98. Letter, dated March 5, 1987, to S. Holt (NL),
from Basil E. Constantelos (Waste Management
Director) regarding the implications of the
Superfund Amendments Reauthorization Act of 1986
on the NL Superfund cleanup
(3 pages)
99. Letter, dated August 24, 1988, to S. Holt (NL),
from B. Bradley (U.S. EPA), regarding draft
guidance for conducting RI/FS's under CERCLA
(1 page)

TAB #

DOCUMENT

100. Letter, dated August 30, 1989, to S. Holt (NL),
from K. Miller (IEPA), regarding private well
survey
(1 page)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 8 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
101.	Letter, dated April 6, 1988, to B. Bradley (U.S. EPA), from Raymond Piccione, Chemist, regarding PRP laboratory data (1 page)
102.	April 4, 1988, letter dated from Mr. Piccione to Mr. Bradley concerning review of 19 soil/sediment and 26 water samples (10 pages)
103.	March 24, 1988 letter from Kenneth M. Miller, IEPA, to Steve W. Holt, Senior Environmental Engineer (NL), and Brad Bradley (U.S. EPA) concerning completion of review of RI data (1 page)
104.	March 21, 1988 memo from Jim Shaw to Ken Miller (both IEPA), concerning review of raw data groundwater rounds 2,3, & 4 (6 pages)
105.	February 29, 1988 letter to Brad Bradley (U.S. EPA) and Ken Miller (IEPA) from Mr. Hale to Director, concerning enclosed analytical data for rounds 2,3, & 4 (1 page)
106.	October 30, 1987 letter from Mr. Bradley to Mr. Holt, NL Industries concerning comments with respect to O'Brien & Gere's Data Review (5 pages)
107.	September 24, 1987 letter from Mr. Holt to Dir., Waste Mgmt. Division, U.S. EPA, concerning attached review of data (2 pages)
108.	September 16, 1987 letter from Mr. Hale to Mr. Holt concerning review of data generated during the initial phase of the RI at the NL Granite City Site (12 pages)

TAB #

DOCUMENT

109. July 22, 1987 letter from Ken Miller to Stephen Holt regarding IEPA review of data packages for samples collected in January 1987
(1 page)
110. July 16, 1987 memo from Bina Fleck to Ken Miller, both IEPA, concerning review of the sample analyses from the NL Taracorp Site
(2 pages)
111. Title 35: Environmental Protection Subtitle C: Water Pollution; Chapter I: Pollution Control Board (IEPA)
(210 pages)
112. Hazard Ranking System (HRS) scoring package for NL Industries/Taracorp Lead Site, Granite City, IL, March 27, 1984
(22 pages)
113. Community Relations file maintained by Brad Bradley, U.S. EPA.
(59 pages)
114. June 1989, Community Relations Plan for NL/Taracorp Superfund Site, Granite City, IL
(34 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 9 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
115.	February 27, 1990 letter from Dames & Moore to Walter Francis, U.S. EPA and Charles Zeal, IEPA regarding Revised Closure Plan for St. Louis Lead Recyclers Facility (10/24/89 letter re: closure plan enclosed) (4 pages)
116.	RCRA Enforcement Branch information release (page 2) re: Illinois Lead Recycling Facility Receives Compliance Orders (1 page)
117.	July 13, 1987 from Stephen Holt, NL Industries to Robert Sharp, IEPA letter re: Complaint, FOV and Compliance Order for Taracorp (11 pages)
118.	May 1, 1987 letter from Stephen Holt, NL Industries to Gary King, IEPA and Jim Rittenhouse, U.S. EPA re: Complaint, FOV and Compliance Order, Taracorp Industries (4 pages)
119.	March 4, 1985 Agreement (17 pages)
120.	January 31, 1984 letter re: Part A Revision, Taracorp Industries, Granite City, IL Plant and Revised <u>Part A Application</u> to include the existence of a storage tank containing hazardous wastes (16 pages)
121.	Letter, dated May 28, 1985 to Neil Meldgin (U.S. EPA), Jim Frank (IEPA), and Deputy Chief (Ill. Atty Gen. Off.), from W. Weddendorf (NL), regarding Agreement and Admin. Order by Consent NL Industries' Facility - Access Agreement (2 pages)
122.	Letter, dated October 24, 1989, to B. Bradley (U.S. EPA), from B.F. Kaufman (Willkie, Farr & Gallagher) regarding Granite City Draft Preliminary FS Report (2 pages)

TAB #

DOCUMENT

123. Letter, dated October 3, 1989, to Stephen Holt
(NL), from B. Bradley (U.S. EPA) regarding
comments on Draft Preliminary FS Report
(13 pages)
124. Galena Industries, Ltd. Brochure
(3 pages)
125. Memorandum, dated March 5, 1987, transmitting
Report to Minn. Legislature - Lead, Exposure and
Health Effects on Children
(100 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 10 OF 16

TAB #

DOCUMENT

126. Nature and Extent of Lead Poisoning in Children
in the United States: A Report to Congress,
dated July 1988
(561 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 11 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
127.	NL Industries Site-list of individuals not sent notice or information request letters (title inaccurate - parties were sent notice) (24 pages)
128.	November 28, 1989 general notice letter, with attachments, from John Kelley, U.S. EPA, Acting Chief, Remedial and Enforcement Response Branch to potentially responsible parties at the NL Industries Site in Granite City, IL (7 pages)
129.	November 13, 1989 letter from Janet D. Smith, NL Ind., to Director, Waste Management Division, U.S. EPA concerning search for PRPs and waste-in list for the Taracorp Site (2 pages)
130.	Draft § 104(e) letter prepared by NL Industries and attached to letter of November 13, 1989, from Janet Smith for NL/Taracorp Site (9 pages)
131.	NL Secondaries - names and addresses of suppliers of non-virgin material to Granite City (attached to November 13, 1989, letter from Janet Smith) (42 pages)
132.	May 1, 1986, memo from Brad Bradley to NL/Taracorp File concerning summary of findings during NL site visit (10 pages)
133.	July 12, 1989, Inspection Sketches and well survey forms, by Brad Bradley (5 pages)
134.	July 26, 1989, memo from Ken Miller, IEPA, to division file, concerning door to door private well survey (2 pages)

TAB #

DOCUMENT

135. July 18, 1989 memo from Ken Miller, IEPA to division file concerning door to door private well survey and attached survey forms
(61 pages)
136. Residential Area Clean-up Issues
(2 pages)
137. Bunker Hill-Residential Response
(2 pages)
138. July 1989, U.S. EPA-The Bunker Hill Superfund Project: A Brief Overview
(7 pages)
139. Summary of Other Lead Superfund Sites
(3 pages)
140. March 1988, U.S. EPA-Superfund Record of Decision, Gould, OR
(98 pages)
141. September 30, 1988, U.S. EPA Superfund Record of Decision, United Scrap Lead Superfund Site, Troy, Ohio.
(75 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 12 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
142.	January 16, 1989 letter from Steven A. Tasher, Counsel for NL Industries to Mr. Adamkus, U.S. EPA concerning released draft preliminary feasibility study for the NL/Taracorp Site (2 pages)
143.	January 3, 1990 Evaluation of Studies on Human Exposure to Soil Lead Residues, prepared by O'Brien and Gere for NL Industries (9 pages)
144.	October 26, 1989 letter regarding the enclosed articles titled: Lead in Soil; Reducing Lead Uptake in Lettuce; and, A Study of Soil Contamination and Plant Lead Uptake in Boston Urban Gardens (16 pages)
145.	November 10, 1989 letter, from Stephen Holt, NL Industries, to U.S. EPA, concerning the Draft Preliminary Feasibility Study Report (9 pages)
146.	February 8, 1990 Transcript of U.S. EPA public meeting for the NL/Taracorp Superfund Site, Granite City, IL (90 pages)
147.	January 3, 1989 letter from Ill. Dept. of Transportation to Mr. Miller, IEPA, concerning jurisdiction over construction activities (1 page)
148.	February 14, 1990 letter from IEPA to Mr. Bradley, U.S. EPA, concerning an error in waste volume calculations (1 page)
149.	October 27, 1989 Inside EPA - a weekly report (2 pages)

TAB #

DOCUMENT

150.

September 1984 "Health Effects Assessment
for Lead" by U.S. EPA's Environmental Criteria
and Assessment Office
(45 pages)

October 1989 "Technical Support Document on
Lead" by U.S. EPA's Environmental Criteria
and Assessment Office
(78 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 13 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
151.	January 10, 1990 Addendum approving, with modifications, the August 1989 Draft Feasibility Study Report (24 pages)
152.	August 1989 Draft Report - Feasibility Study NL/Taracorp Site, Granite City, Illinois (218 pages)
153.	January 10, 1990 U.S. EPA Proposed Plan for the NL Industries/Taracorp Site, Granite City, Illinois (26 pages)
154.	Revised Cost Calculations for Alternatives E, F, G and H (3 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 14 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
155.	May 1987 Review and Recommendations on a Lead in Soil Guideline (109 pages)
156.	March 7-9, 1988 Lead in Soil: Issues and Guidelines (10 pages)
157.	October 23, 1989 Health Hazard and Risk Assessment from Exposure to Heavy Metals in Ore in Skagway, Alaska - Final Report (20 pages)
158.	February 1, 1990 Acidity of Stomach Secretions in Humans, Rats, and Pigs, and the Potential Importance of Stomach Ph in Bioavailability of Pb in Soils and Mine Wastes (11 pages)
159.	Toxic Effects of Lead in the Developing Nervous System: In Oculo Experimental Models (7 pages)
160.	Abstracts from Medline/Lead (10 pages)
161.	Lead and compounds (computer printout) (10 pages)
162.	January 1985 Preventing Lead Poisoning in Young Children - A Statement by the Centers for Disease Control (82 pages)
163.	U.S. EPA Fact Sheet - Drinking Water and Lead (8 pages)
164.	April 23, 1987 The New England Journal of Medicine - Longitudinal Analyses of Prenatal and Postnatal Lead Exposure and Early Cognitive Development (7 pages)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 15 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
165.	December 1983 American Journal of Public Health - Sources of Lead in the Urban Environment (1 page)
166.	The Potential for Heavy Metal Exposure from Urban Gardens and Soils by the USDA, Agricultural Research Service (46 pages)
167.	December 1983 American Journal of Public Health - Lead Concentrations in Inner-City Soils as a factor in the Child Lead Problem (4 pages)
168.	Winter 1982 the Neighborhood Works - Lead-laden Freeway Parks Hazardous to Kids (4 pages)
169.	1985 Environmental Research - Condition and Type of Housing as an Indicator of Potential Environmental Lead Exposure and Pediatric Blood Lead Levels (5 pages)
170.	1985 Environmental Research - Evolution of Efficient Methods to Sample Lead Sources, Such as House Dust and Hand Dust, in the Homes of Children (10 pages)
171.	1988 Environmental Research - Lead and Osteoporosis: Mobilization of Lead from Bone in Postmenopausal Women (13 pages)
172.	1985 Environmental Research - Separating the Effects of Lead and Social Factors on IQ (11 pages)
173.	January 11, 1990 The New England Journal of Medicine - the Long-Term Effects of Exposure to Low Doses of Lead in Childhood (6 pages)

TAB #**DOCUMENT**

174. August 25, 1988 The New England Journal of Medicine - Port Pirie Cohort Study: Environmental Exposure to Lead and Children's Abilities at the Age of Four Years
(8 pages)
175. June 8, 1984 JAMA - The Relationship Between Prenatal Exposure to Lead and Congenital Anomalies
(4 pages)
176. May 30, 1987 The Lancet - Influence of Blood Lead on the Ability and Attainment of Children in Edinburgh
(6 pages)
177. Neurobehavioral Effects of Lead - A Summary Review of Cross-Sectional and Longitudinal Studies
(15 pages)
178. April 1985 American Journal of Public Health - Home Refinishing, Lead Paint, and Infant Blood Lead Levels
(2 pages)
179. June 1986 Exterior Surface Dust Lead, Interior House Dust Lead and Childhood Lead Exposure in an Urban Environment
(13 pages)
180. 1988 Journal of Epidemiology and Community Health - Port Pirie Cohort Study: Childhood blood lead and neuropsychological development at age two years
(7 pages)
181. March 12, 1990 letter from Bradley R. O'Brien, Gardner, Carton & Douglas to Mr. Siegel, U.S. EPA concerning the request of CBC Inc. that its comment be placed in the Administrative Record
(1 page)
182. Two maps
(2 pages)
183. Assessing the Contribution from Lead in Mining Wastes to Blood Lead
(76 pages)

TAB #

DOCUMENT

184. 1986 Neurobehavioral Toxicology and Teratology
- Low Level Lead Exposure and Infant Development
in the First Year
(11 pages)
185. March 30, 1990, telephone record of call from
Louise Fabinski, ATSDR, to J. Milton Clark, U.S.
EPA Office of Health and Environmental
Assessment, concerning 500 ppm residential soil
cleanup target at the NL Site
(1 page)

U.S. EPA ADMINISTRATIVE RECORD

**NL INDUSTRIES/TARACORP SITE
GRANITE CITY, ILLINOIS**

VOLUME 16 OF 16

<u>TAB #</u>	<u>DOCUMENT</u>
186.	July 11-12, 1989 handwritten notes concerning NL trip (12 pages)
187.	March 12, 1990 letter from Sidley & Austin to Ms. La Faire, U.S. EPA, concerning public comment period (4 pages)
188.	February 27, 1990 letter from Mr. Hopkins, Downtown Neighborhood Restoration Society to Ms. La Faire regarding the groups' comment to the proposed cleanup and a transcript of February 9, 1990 meeting with Brad Bradley, EPA, and David Webb, Illinois Department of Public Health (59 pages)
189.	March 12, 1990 letter from Dames & Moore to Ms. La Faire regarding comments on the Feasibility Study, the Addendum, and the U.S. EPA's Proposed Plan for the NL Industries/Taracorp Site (16 pages)
190.	March 12, 1990 Public comment from Ford Company (2 pages)
191.	February 12, 1990 Public comment from Helen Ramos (private citizen) of Granite City to U.S. EPA (3 pages)
192.	Public comment from Granite City Board of Realtors (3 pages)
193.	February 15, 1990 public comment from Mayor Von Dee Cruse of Granite City (2 pages)
194.	Four February 19, 1990 Public comment letters from concerned citizens (4 pages)

TAB #DOCUMENT

195. Public comment from Mr. Davis
(1 page)
196. February 24, 1990 public comment from
Mr. McMillen
(1 page)
197. January 29, 1990 public comment from Mr. Dalton
(1 page)
198. February 1990 public comment from Mr. Colligan
(1 page)
199. March 12, 1990 public comment from Bradley R.
O'Brien, Gardner, Carton & Douglas requesting
that CBC Inc. comments be placed in the
administrative record
(1 page)
200. February 16, 1990, public comment of Warren
Leimer
(1 page)
201. March 10, 1990, public comment of Casmer Skubish
(1 page)
202. February 22, 1990, public comment of Tom Messina
(1 page)
203. March 4, 1990, public comment of Alice Maxey
(2 pages)
204. March 12, 1990, public comment of John Obucina
(1 page)
205. February 22, 1990, public comment of Jettie
Thornton
(1 page)
206. March 9, 1990 public comment from R.C. Bush,
Tri-Cities Area Chamber of Commerce
(1 page)
207. February 23, 1990 public comment from Thomas F.
Long, Senior Toxicologist, Illinois Dept. of
Public Health
(8 pages)
208. March 12, 1990, public comment of Craig Tarpoff
(3 pages)

TAB #**DOCUMENT**

209. Public comment of Mary Margaret Nann
(3 pages)
210. March 12, 1990 public comment from Bobby G. Wixson, Dean, College of Sciences, Clemson University. Attachment is "Status Report on the Society for Environmental Geochemistry and Health Task Force on Lead in Soil"
(12 pages)
211. Public comment from Mr. & Mrs. Kary
(5 pages)
212. February 12, 1990 letter from John P. D'Aniello, P.E., Chief, Engineering Division, Army Corps of Engineers to Mr. Kulmer, Salt Lake City, Utah concerning the former Granite City Army Depot - Railroad Marshaling Yard
(4 pages)
213. February 23, 1990 letter from Mr. Wagenen, Attorney, to Mr. Patin, Brigadier General, U.S. Army concerning a Determination issued on September 26, 1989
(1 page)
214. February 23, 1990 letter form Mr. Wagenen to Ms. La Faire requesting that a complete environmental study be performed at NL/Taracorp site
(1 page)
215. February 23, 1990 letter from Mr. Wagenen to Mr. D'Aniello concerning A & K Railroad Materials, Inc
(4 pages)
216. March 12, 1990 public comment of NL Industries
(90 pages)
217. March 30, 1990 Record of Decision
(18 pages)
218. March 29, 1990 IEPA Record of Decision Declaration for the NL Industries/Taracorp NPL Site in Granite City, Illinois
(1 page)

TAB #

DOCUMENT

219. Appendix A, NL Industries/Taracorp
 Responsiveness Summary
 (21 pages)
220. Appendix B, Selection of a Lead Soil Clean-up
 Level for the NL/Taracorp Superfund Site
 (19 pages)